

MATLIEV, D.

On the importance of the values of the 1st and 2nd interval
estimation in methods of erythrocyte sedimentation with vertical
and inclined position of the pipet. Suvr. med. 13 no.12:39-42
'62.

(BLOOD SEDIMENTATION)

BRATANOV, K.; YOSIFOV, K. [Iosifov, K.]; MATLIEVA, M.; TSEKOVA, E.

On the nucleic acid content in spermatozoa of certain farm animals.
Doklady BAW 17 no.11:1047-1049 '64.

1. Institute of the Biology and Pathology of Reproduction and Non-
infectious Diseases. Submitted June 12, 1964.

MATLIN, A.M.

Dynamics of the cost, profitability and prices of machines
in connection with the technological development. Vest.
mashinostr. 45 no.1:69-74 Ja '65. (MIRA 18:3)

MATLIN, G.

Volgo-Don kak kompleksnoe sooruzhenie [The Volga-Don, as a complex construction].
(Vodnyi transport, 1935, no. 9, p. 12-14, map). DLC: HF561.R8

SO: SOVIET TRANSPORTATION AND COMMUNICATIONS, A BIBLIOGRAPHY, Library of Congress
Reference Department, Washington, 1952, Unclassified.

MATLIN, G. M.

Glavneishie stroiki na vnutrennikh vodnykh putiakh SSSR v 1946-1950 ~~gg.~~ [The main constructions on the inland waterways of the U.S.S.R. in 1946-1950] (Rechnoi transport, 1946, no. 7-8, p. 13-15)

Contains information on the Volga-Baltic waterway; Moskva river system, Kama hydro-electric power center; hydroelectric power centers on Oka river and Upper Volga.

DLC: TC601.R4

SO: Soviet Transportation and Communication, A Bibliography, Library of Congress, Reference Department, Washington, 1952, Unclassified.

MATLIN G. M.

Matlin G. M. and Blank Sh. F., Tekhniko-ekonomicheskiye skhemy transportno gosyuzhnykh
rek Chumysh i B. Ingiz (Technical and economic schemes for Transport Navigation on the
Chumysh and B. Ingiz Rivers) Published by the Ministry of the River Fleet USSR,
Moscow-Gor'kiy, 1983

SO: U-3030, 11 Mar 1983

MATLIN, G.M.

Hydraulic Engineering

Some problems of river hydrology in connection with great construction projects of communism. Vop. geog. 26, 1951

9. Monthly List of Russian Accessions, Library of Congress, April ~~1953~~ 1952, Uncl.

STRIKHA, K.T., inzhener; MATLIN, G.M., inzhener.

**Norms for planning bridge clearance dimensions on inland waterways. Rech.
transp. 13 no.1:25-29 Ja-P '53. (MIRA 6:11)
(Bridges)**

MATLIN, G. M.

14-1-801

Summary translation from: Referativnyy Zhurnal, Geografiya, 1957,
Nr 1, p. 98 (USSR)

AUTHOR: Matlin, G. M.

TITLE: Methodology of Establishing Estimated Water Levels and
Principal Dimensions in Navigable Internal Waterway
Canals (Metodika ustanovleniya raschetnykh urovney
vody i glavneyshikh razmerov sudokhodnykh kanalov
vnutrennikh vodnykh putey)

PERIODICAL: Tr. Tsentr. n.-i. in-ta ekenom. i ekspluat. vodn.
transp., 1955, Nr 5, pp. 5-88

ABSTRACT: Chap. I deals with the estimation of the statistically
highest and lowest water levels in navigable canals for
1) canals locked at both ends and 2) canals opening into
rivers or reservoirs. The methods of estimating water
losses by filtration and evaporation, the determination
of dynamic levels caused by sharp changes in water dis-
charge, by wind- or ship-created waves, or by other
phenomena, the order in which dynamic levels are

Card 1/2

14-1-801

Methodology of Establishing Estimated Water Levels and Principal Dimensions in Navigable Internal Waterway Canals (Cont.)

determined are indicated and winter water levels and ice conditions examined. Chap. II deals with incline reinforcement boundary lines, the determination of the height of ship created waves and the height of their roll onto the canal's incline, the increase of the height and lowering of the depth of reinforcements in relation to estimated water levels and the estimation of levels in determining the boundaries of stone reinforcements of inclines and reserve reinforcements in relation to such levels. Chap. III deals with the determination of minimum canal cross section areas.

ASSOCIATION: Central Scientific Research Institute of the Economics and Operation of Water Transportation (Tsentr. n.-i. in-ta ekonom. i ekspluat. vodn. transp.)

Card 2/2

MATLIN, G.M.
DOMANEVSKIY, N.A.; LOSIYEVSKIY, A.I.; MAKHAYEV, N.I.; MATLIN, G.M.; BZHANITSYN,
N.A.; AZROVA, A.G., redaktor.; BEGICHEVA, M.N., tekhnicheskiy redaktor.

[Channel processes and improvement of the navigable course in open-
channel rivers.] Ruslovye protsessy i putevye raboty. Moskva, Izd-vo
"Rechnoi transport, "1956. 458 p. (Moscow. Tsentral'nyi nauchno-issle-
dovatel'skii institut ekonomiki i ekspluatatsii vodnogo transporta.
Trudy, no.8). (MLRA 9:11)
(Rivers--Regulation) (Dredging)

MATLIN, G. ~~Georgiy Markovich~~; GRIGOR'YEV, Sergey Nikolayevich; SADOVSKIY, G.I.,
retsensent; ASTASOV, B.S., red.; VINOGRADOV, N.M., red. izd-va;
SALAEV, N.P., tekhn. red.

[Redesigning aids to navigation for inland waterways] Rekonstruktsiya
sudokhodnoi obstanovki na vnutrennikh vodnykh putiyakh. Moskva, izd-
vo "Tekhnol transport," 1958. 85 p. (MIRA 11:9)
(Aids to navigation)

MATLIN, G.M., kand.tekhn.nauk

**Prospects for the development of inland waterways in the U.S.S.R.
on the basis of over-all hydraulic engineering construction.**

**Rech. transp. 17 no.8:24-28 Ag '58. (MIRA 11:10)
(Water resources development) (Inland navigation)**

MATLIN, G.M., kand.tekhn.nauk

Arrangement of navigable installations. Rec...transp. 17 no.10:53-55
0 '58. (MIRA 11:12)

(Hydraulic engineering)

MATLIN, G.M.; AZROVA, A.G., red.

[Technical and economic grounds for over-all waterway dimensions]
Tekhniko-ekonomicheskoe oboznenie gabaritov vodnykh putei;
metodicheskoe rukovodstvo. Moskva, TSentr. nauchno-issl. in-t ekon.
i ekspluatatsii vodnogo transporta, 1959. 209 p.

(MIRA 13:7)

(Inland water transport --Account. 9)
(Hydraulic engineering)

MATLIN, G.M., kand.tekhn.nauk

Transportation efficiency resulting from a complex system of hydraulic structures. Rech.transp. 18 no.12:33-38 D '59.

(MIRA 13:4)

(Inland water transportation) (Hydraulic structures)

SUBBOTIN, Andrey Petrovich, inzh.; MATLIN, G.M., kand.tekhn.nauk, red.;
LOBANOV, Ye.M., red.isd-vo; BODROVA, V.T., tekhn.red.

[Methods of developing new deep-water routes on U.S.S.R. rivers]
Metody osvoeniia novykh glubokovodnykh putei na rekakh SSSR.
Moskva, Isd-vo "Rechnoi transport," 1960. 120 p.

(MIRA 13:10)

(Inland navigation)

(Hydraulic engineering)

OVSYANNIKOV, H.; ZORIN, N.; MATLIN, G.; KUZKOV, L.; VINDROV, S.

~~Revised translation~~
Improve the full use and preservation of U.S.S.R. water resources.
Rech. transp. 19 no.11:32-35 N '60. (MIRA 13:11)
(Water supply engineering)

MATLIN, G., kand.tekhn.pauk

Consolidated deep-water system for the European part of the
U.S.S.R. Rech. transp. 20 no.10:39-41 0 '61. (MIRA 14:9,
(Inland water transportation)

MATLIN, G.M., kand tekhn.nauk

Methods of determining the effectiveness of composite hydraulic construction. Gidr.stroi. 31 no.3:35-40 Mr '61.

(MIRA 14:4)

(Hydraulic structures)

MATLIN, Grigoriy Markovich; KHACHATUROV, T.S., red.; AZROVA, A.G., red.; RIDNAYA, I.V., tekhn. red.

[Economic efficiency of the construction of multipurpose water power developments; methodological instructions and calculation example] Ekonomicheskaya effektivnost' sooruzheniya kompleksnykh gidrouzlov; metodicheskie ukazaniya i primer rascheta. Pod red. T.S.Khachaturova. Moskva, Recheni transport, 1962. 57 p. (MIRA 16:6)

1. Chlen-korrespondent Akademii nauk SSSR (for Khachaturov).
(Water resources development--Finance)

MATLIN, G.

Important problems of the economic efficiency of capital investments
in electrification. Vop. ekon. no.2:13-20 F '62. (MIRA 15:1)
(Volga Valley--Electrification) (Capital investments)

MATLIN, G.M. (Moskva)

Prospects of developing inland water transport routes in
the U.S.S.R. Izv. AN SSSR. Energ. i transp. no. 5: 591-594
S-0 '63. (MIRA 16:11)

PHASE I BOOK EXPLOITATION

SON/4151

Matlin, Ivan Ivanovich

Radiolokatsiya; uchebnoye posobiye dlya soldat i serzhantov (Radar; Textbook for Privates and Sergeants). Moscow, Voen. izd-vo M-va obor. SSSR, 1960. 442 p. No. of copies printed not given.

Ed.: V. T. Vladimirov, Engineer-Colonel; Tech. Ed.: A. N. Mednikova.

PURPOSE: This textbook is intended for technical training of privates and non-commissioned officers. It is also available to the general reader who is sufficiently acquainted with the fundamentals of electrical and radio engineering.

COVERAGE: The book describes in elementary form the fundamentals of radar, and gives basic information on pulse technique. Principal methods of determining target coordinates are given at the end of the book. Chapters VI, VIII, and IX were written by A. V. Vrublevskiy. There are no references.

Card 1/11

MAGDESIYEV, Anatoliy Sergeyevich; REZNIK, Mikhail Meylikhovich;
MATLIN, I.I., red.; SRIENIS, N.V., tekhn. red.

[Indicators of search radar stations] Indikatory obzornykh
radiolokatsionnykh stantsii. Moskva, Voenizdat, 1963. 125 p.
(MIRA 17:1)

(Radar)

MATLIN, L.Sh. (Arkhangel'sk)

Certain shortcomings in the knowledge of students. Mat. v
shkole no.2:47-49 Mr-Apr '55. (MLRA 8:6)
(Mathematics--Problems, exercises, etc.)

MATLIN, M.

Mine committee as a pioneer of the new. Sov. profsoiuzy 7 no.16:29-30
Ag '59. (MIRA 12:12)

1. Predsedatel' komissii rudkoma po proizvodstvenno-massovoy rabote,
rudnik "Kittis-Kumush'ye" kombinata "Severonikel'."
(Siberia, Northern--Mines and mineral resources)

MATLIN, M.

Every minute is valuable. Sov.profsoiuzu 16 no.17:18-19 S
'60. (MIRA 13:8)

1. Predsedatel' proizvodstvenno-massovoy komissii rudkoma
profsoyusa na rudnike "Nittis-Kumush'ye," Murmanskoy oblasti.
(Murmansk Province--Mines and mineral resources)

GEORGADZE, S.; MATLIN, M.; MIRGORODSKIY, I., starshiy instruktor;
CHERNYSHEV, G., student (Zhdanov); DEKHTYAR, B., metodist;
VYSOTSKIY, V., instruktor; KANUKOV, G. (g. Shakhty, Rostovskoy obl.);
MCHEDLISHVILI, I. (Tbilisi); BABENKO, P. (Poltavskaya obl.)

Readers relate; advise and criticize. Sov. profsoiuzy 18 no.19:30-31
0 '62. (MIRA 15:9)

1. Nachal'nik otдела труда i zarabotnoy platy rudnika "Nittis-Kumuzh'ye" kombinata "Severonikel'", Murmanskaya obl. (for Matlin).
2. Orgmassovyy otдел Krasnodarskogo kraysovrufa (for Mirgorodskiy).
3. Tsentral'nyy Dom kul'tury zheleznodorozhnikov, g. Rostov-na-Donu (for Dekhtyar). 4. Gorodskoy komitet Kommunisticheskoy partii Sovetskogo Soyuz; g. Omsk (for Vysotskiy). 5. Neshtatnyy korrespondent zhurnala "Sovetskiye profsoyuzy" (for Kanukov).
(Tiflis—Engraving) (Trade unions) (Wedding)

VMM/Radio - Receivers
Fixed Radio Centers

Oct 98

"Using PM-47 Receivers in Amateur Radio Stations," S. Matlin

"Radio" No 10, pp 36-39

Describes changes required in PM-47 wired radio center receiver so that it can be used on amateur short-wave sta. The rf and oscillator circuits changed to tune to amateur bands. An oscillator added in receiver circuits for telegraph signals. Cutoff for AVC provided for weak telegraph signal reception. Sensitivity

174836

VMM/Radio - Receivers
(Contd)

Oct 98

increased. Tubes employed: 6BA7, 6BD6, 6BY6 and three 6X7. Used in Moscow UA3KAA on 20 and 40 m bands for Soviet and unspecified foreign communications.

174836

PA 174198

MATLIN, S.

MATLIN, S.

PA 189T95

Radio - Exhibitions

Feb 51

"Tbilisi Radio Exhibition," S. Matlin

"Radio" No 2, p 11

Best exhibit in section on introduction of radio methods in the economy was Parfenov's anemometer. Portable radio-phonograph designed by Eyrarov was best exhibit in receiving equipment section. A 2-tube (UB-240's) ultrashort-wave transceiver designed by Zakharenko won special mention in ultrashort-wave equipment section. Few exhibits were shown, which was attributed to the poor work of the republic radio club.

UNSUB/Radio - Oscillators, Audio
Test Instruments Jan 51

"The 30-2A Audio Oscillator," S. Matlin

"Radio" No 6, pp 51-54, 59

Describes 30-2A audio oscillator used for tuning
radio amplification stages and the modulator sec-
tion of telegraph transmitters, for frequency com-
parison, etc. Range 20-20,000 cps. Frequency
stability after 20 min heating +10 cps for the last
hour, +3 cps thereafter. Max output is 2 v.

PA 1907106

UNSUB/Radio - Oscillators, Audio (Contd) Jan 51
1907106

Harmonic content is less than 1% at frequencies
from 100-3,000 cps and 2% at frequencies from
100-100 cps and 3,000-5,000 cps.

1907106

MATLIN, S.

MATLIN S.

PA 149T109

USCR/Radio - Visual Aids

Aug 51

"Visual Aids (Survey of Exhibits at the 9th All-Union Radio Exhibition)," S. Matlin

"Radio" No 8, pp 26-28

Describes various panels, units, etc., illustrating the operation of a triode, radar fundamentals, the nature of free elec oscillations in a closed circuit, etc.

194T109

MATLIN, S.

WOM/Radio - Instruments
Meggers

Dec 51

"The WOM-1 Megger", S. Matlin

"Radio" No 12, pp 50-53

Schematic diagram, design, and instructions for use of type WOM-1 megger, designed for the measurement of high resistances, resistances of transformer and coil windings, and insulation resistances. The instrument has a range of 20Ω to $10,000\text{ M}\Omega$, with accuracies of $\pm 5\%$ to $\pm 10\%$ from 100Ω to $1,000\text{ M}\Omega$.

2007100

MATLIN, S. L.

How to measure capacity of a condenser Moskva, Gos. energ. izd-vo, 1952. 23 p.
(Massovaya radiobiblioteka, vyp. 152) (54-17553)

QC587.M35

PA 236150

Radio/Electronics - Exhibitions
Visual Aids

Page 52

"Visual Aids (Survey of Exhibits at the 10th All-Union Radio Exhibition)," S. Matlin

"Radio" No 9, pp 52-54

Exhibits described are as follows: model demonstrating free oscillations in a closed circuit (P. Pl'yakov, Riga); operating model of a full-wave rectifier (D. Bulgakov and V. Sharpanov, Kyushu); a superhigh-frequency oscillator for demonstrating standing waves (A. Kovalovsky).

236150

L'vov); a unit for recording radiation patterns in the horizontal plane of symmetrical antennas (N. Khondryakov and L. Podnyakov, Moscow).

236150

TOVBIH, M.; MATLIN, S.

Television tuning instrument. Radio no. 9:42-44 S '53. (MIA 6:8)
(Television--Apparatus and supplies)

MATLIN, S. MATLIN, S.
Special radio equipment
1/1
MATLIN, S.
Technical equipment for competitions (of radio-operators)
Radio, No. 4, 29 - 32, April 1934
Special equipment, used for grading radio-operators participating in competitions, is described. Included are a perforator, a transmitter unit, a tone-manipulator, a device for measuring the operational speed, a magnetophone (magnetic microphone), and a sound-communication system. The method of connection and the principle of operation of the main instruments and their parts, are shown.
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.....

Radio, S.

Radio, S.

Page 1/2

Author : Radio, S.

Title : Technical Equipment for Grading Competitive Work

Periodical : Radio, S, 54 - 56, May 1934

Abstract : The article discusses several devices used for grading the work of radio-telegraph operators, taking part in competitions for quality and speed of performance. The article describes in greater detail a tape recording instrument called an "ondulator", an amplifier-rectifier, connected with the ondulator, and the method of their operation. Circuit diagrams of the ondulator and of the amplifier are shown. Reference is also made to a "Magnetophone", representing a phonograph recorder with a pickup, used for the same purpose of grading competitive work. A schematic diagram, showing the method of installation of the instruments and their arrangement in the competition rooms, is also given.

Publication :

Published :

MATLIN, S.

Subject - Training device

Date 1/1 Feb. 29 - 11/29

Author 1 Matlin, S.

Title 1 A device for training in rapid reception by ear

Reference 1 Radio 9, 27-30, Sep 1934

Abstract 1 A device used for training radio-telegraph operators in rapid reception of signals by ear is described. The instrument is associated with a transmitter, and contains an electromechanically operated relay, an audio-frequency tone-generator and a speed regulator. The design, and structural details are shown and the operation of the instrument explained. Illustrations; diagram (including a circuit diagram).

Classification 1 ...

Keywords 2 ...

MATLIN, S.

Subject: Radio exhibitions

Date: 1/1 Feb. 29 - 8/32

Author: Matlin, S., and Svoron, R.

Title: A. Important problem to be considered in preparing radio exhibits

Publication: Radio 2, page 12, Feb 1955

Abstract: The preparations for the 12th All-Union radio exhibition, which will take place in May 1955 in Moscow are discussed. Some questions are considered concerning the procedures and rules governing the exhibits, and suggestions are extended to local radio clubs not to send the exhibits which were not approved and evaluated by local committees.

Institution:

Submitted:

McElhin, S.

McElhin, S.

McElhin, S.

McElhin, S.

McElhin, S.

McElhin, S.

McElhin, S. The following observations are given from the All-Soviet Electronics Exhibition organized by the DOSAAF at which various kinds of radio, telephone, electric record playing devices, designed and constructed by radio amateurs were on display. Illustrations.

McElhin, S.

McElhin, S.

MATLIN, S.

Measuring apparatus. Radio no. 9:60-61 8'55. (MIRA 8:11)
(Radio measurements)

MATLIN, Semen L'vovich: VASIL'YEV, A.A., redaktor; ANDRIANOV, B.I.,
tekhnicheskij redaktor

[Simple amplifiers in crystal receivers] Prostishie usiliteli k
detektoromu priemniku. Moskva, Izd-vo DOSAAF, 1956. 19 p.
(Amplifiers, Electron-tube) (MLRA 10:9)

~~MATLIN, Saman-Limanich;~~ VASIL' YEV, A.A., redaktor; KARYAKINA, M.S.,
tekhnicheskii redaktor

[Electron-tube power supply] Istechniki pitanie radiolamp.
Moskva, Izd-vo DGSAAF, 1956. 36 p. (MIRA 10:2)
(Electron tubes)

MATLIN, S.

107-5-29/54

AUTHOR: Matlin, S. (Chief Engineer of the Central Radioclub DOSAAF)

TITLE: Remodeling of the A7A Radio Station for 38-40 mc
(Peredelka radiostantsii A7A na 38-40 mggts)

PERIODICAL: Radio, 1956, Nr5, p.32, (USSR)

ABSTRACT: The A7A radio station is actually a transceiver with a 7-tube, $1\frac{1}{2}$ μ v sensitivity receiver, and a 2-stage, FM, narrow-band modulation transmitter. Antenna power about 1 w. Plate circuits are supplied from 2 type EAC-80 batteries, and filaments circuits from type 2HHH-22 storage battery. The supply pack insures continuous service of the station for 40 hrs.

The necessary changes in circuits are described in detail, and the part of the schematic diagram subject to rewiring is presented.

After remodeling the antenna output should be as high as 120 μ a at 40 mc, and the receiver sensitivity should be 2-3 μ v or better in the 38-40 mc band.

One figure in the article.

AVAILABLE: Library of Congress

Card 1/1

MATLIN, S. PARADZHEV, I.

Tube tester. Radio no.6:53-54 Jo '56.

(MIRA 9:8)

(Electric instruments) (Electron tubes--Testing)

MATLIN, S.

Aligning a superheterodyne receiver. V.pom. radiolub. no.4:62-80 '57.
(Radio--Receivers and reception) (MIRA 11:2)

MATLIN, S.

Classroom equipment for studying the telegraph code. V
prom.radiolub. no.5:59-72 '58. (MIRA 13:7)
(Telegraph--Codes)
(Telegraph--Equipment and supplies)

SOV/4-58-11-12/31

AUTHOR: Golovin, G., Chief of the Exhibition; Matlin, S., Secretary

TITLE: The People's Laboratory (Narodnaya laboratoriya)

PERIODICAL: Znaniye - sila, 1958, Nr 11, p 18 (USSR)

ABSTRACT: Since 1935, fifteen All-Union radio exhibitions have been organized in the USSR. By a resolution of the TsK DOSAAF, the last one, the 15th All-Union Radio Exhibition, took place in August 1958 in Riga. It contained 400 exhibits from 50 Soviet cities and the greater part of them proved that the radio amateurs have developed their technical skill and ability to solve the complicated problems of modern radio-engineering and electronics. The number of designs using semiconductor devices exceeded by 5 times the number of similar devices at the preceding exhibition. There is 1 photo.

ASSOCIATION: Vsesoyuznaya radiovystavka (All-Union Radio Exhibition)

Card 1/1

MATLIN, S.L.; SOBOLEVSKIY, A.G., red.; LARIONOV, G.Ye., tekhn.red.

[Electric meters designed by radio amateurs] Radiolibi-
tel'skie izmeritel'nye pribory. Moskva, Gos.energ.isd-vo,
1959. 102 p. (Massovaya radiobiblioteka, no.323) (MIRA 12:5)
(Electric meters) (Radio)

05399

SOV/107-59-8-19/49

(
AUTHOR: Matlin, S.

TITLE: The 16th All-Union Radio Exhibition

PERIODICAL: Radio, 1959, Nr 8, p 24 (USSR)

ABSTRACT: Radio amateurs of 86 DOSAAF radio clubs of the USSR submitted 940 entries for the 16th All-Union Exhibition of radio amateur work. The Jury selected 500 entries for demonstration in Moscow. The number of devices which were designed for application in the USSR national economy increased to 160, compared to 116 last year. A conference of amateur designers will be held during the exhibition. More than 70 representatives of different USSR towns will participate.

Card 1/1

**MATLIN, Semen L'vovich; BORNOVOLOKOV, E.P., red.; KONYUSHENKO, I.A.,
red.; BLAZHENKOVA, G.I., tekhn.red.**

**[Radio circuits; an aid for radio clubs] Radioakheny; posobie
dlia radiokrushkov. Moskva, Izd-vo DOSAAF, 1960. 79 p.**

(MIRA 13:7)

(Radio circuits)

MATLIN, S.; NOVIK, G.; VASIL'YEV, A.A., red.; FAYNSHMIDT, F.Ya., tekhn.
red.

[Guide to the magazine "Radio" for 1950-1959] Putevoditel' po
shurnalu "Radio" za 1950-1959 gg. Moskva, Izd-vo DOSAAF, 1960.
268 p. (MIRA 14:8)

(Radio--Periodicals--Indexes)

MATLIN, Semen L'vovich; FILIMONOV, I.M., red.; BALASHOV, M.I.,
red.; KOROLEV, A.V., tekhn. red.

[Radio diagrams] Radioskhemy. Moskva, Izd-vo DOSAAF, 1963.
46 p. (MIRA 16:7)

(Radio circuits)

MATLIN, S.

Contribution of radio amateurs to technological progress.
Radio no.10:3 0 '63. (MIRA 16:11)

1. Sekretar' zhyuri XII Vsesoyuznoy radioystavki.

MATLIN, S.

Transistor testing devices. V pom. radioliub. no.12:21-30 '62.
(MIRA 16:10)

MATLIN, Semen L'vovich; TROITSKIY, L.V., red.; FILIMONOV, I.M.,
red.

[Radio circuits; ~~manual~~ for radio clubs] Radioskhem; po-
sobie dlia radiokruzhkov. Moskva, Izd-vo DOSAAF, 1964. 51 p.
(MIRA 17:4)

KRENKEL', E., Geroy Sovetskogo Soyuz; VISHNEVETSKIY, F.; TARIVERDIYEV, D.,
kand. tekhn. nauk; KARAYANIY, V.; TOVMASYAN, L., nauchnyy rabotnik
(Yerevan); ROBUL, B.; VOZNYUK, V.; YEREMIN, N., radiolyubitel'
(Moskva); MATLIN, S., inzh.; BORNOVOLOKOV, E., inzh.; GONCHAROV, I.;
GRIF, A.; MSTISLAVSKIY, A.

Works and needs of radio amateurs. Radio no.7:1-3 '64.

(MIRA 18:1)

1. Predsedatel' prezidiuma Federatsii radiosporta SSSR (for Krenkel').
2. Glavnyy redaktor zhurnala "Radio" (for Vishnevetskiy).
3. Glavnyy
Bakinskogo radio-kluba (for Tariverdiyev).
4. Predsedatel' Lvovskoy
oblastnoy seksii radiosporta (for Karayaniy).
5. Nachal'nik Donetskoy
shkoly radioelektroniki (for Robul).
6. Predsedatel' soveta Novo-
sibirskogo oblastnogo radiokluba (for Voznyuk).
7. Spetsial'nyy
korrespondent "Pravdy" (for Goncharov).
8. Spetsial'nyye korrespondenty
zhurnala "Radio" (for Grif, Mstislavskiy).

MATLIN, S., sud'ya vsesoyuznoy kategorii

Results cause one to be alert. Radio no.10:12-13 0 '65.
(MIRA 18:12)

MATLIN, S. Z. I TIKHOMIROV, K. I.

25156. MATLIN, S. A. I TIKHOMIROV, K. I. Sposob Uvelicheniya Proizvodstva
Suininy. Sots. Zhivotnouodstvo, 1949, No. 3. S. 72-74. 3. Let Zhurn. St.
No. 33.

So: Letopis' No. 33. 1949

MATLIN, S. Z.

Ducks

Valuable practice in raising ducks. Sots. zhiv. 14 No. 3, 1952

9. Monthly List of Russian Accessions, Library of Congress, June 1953, 2Incl.

MATLINA, E. A.

AUTHORS: Kassil', G. N., and Matlina, E. A., 20-6-46/47

TITLE: Adrenalin and Adrenalin-Like Substances Detected in Blood in the Case of a Pain Syndrome (Adrenalin i adrenalinopodobnyye veshchestva v krovi pri bolevom sindrome)

PERIODICAL: Doklady AN SSSR, 1957, Vol. 117, Nr 6, pp. 1085-1088 (USSR)

ABSTRACT: The assumption was several times expressed that the feeling of pain develops due to the occurrence and the accumulation of special chemical substances in the tissue, as these substances irritate the nerve terminations (references 1,2). Histamine is above all counted among them. From published data and own observations of the first author follows that the level of free histamine in the blood in diseases of the nervous system accompanied by pain syndromes increases. But histamine is not the only chemical substance causing the pain. Most of the authors come to the conclusion that the direct cause of the local pain is oxygen deficiency. This develops due to modifications of the torrent of blood, by disturbance of the tissue-respiration, sinking of the partial pressure of oxygen in the blood and so on. All these processes take place under the control of the central and peripheral parts of the nervous system and are connected with certain displacements in the chemical composition and the biological properties of the blood

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Case of a Pain Syndrome.**

and the tissue-field. As is well-known the feeling of pain is accompanied by an excitation of the sympathetic-adrenal apparatus and by an increased secretion of sympathetico-mimetic substances. The problem of the chemical structure of the mediators of the sympathetic series for the most part remains unsolved. Most authors (references 3-5) are of the opinion that the sympathetic reactions in the organism take place under participation of adrenalin and its various transformation products. According to Bakh (reference 3) sympathin I which inhabits the functions is adrenalin, whereas the exciting sympathin E stimulates the functions is noradrenalin. In their studies of the humoral displacements during diseases of the nervous system accompanied by pain syndrome the authors found (reference 6) that they are also accompanied by a considerable increase in the sympathetic activity of the blood. It was the object of the present work thoroughly to study the metabolism of adrenalin and adrenalin-like substances. After the description of the method employed and of the results the authors come to the following conclusions: In diseases whose leading feature is the pain syndrome the following takes place: 1) the level of total adrenalin in the blood increases, 2) dehydroforms of adrenalin-like sub-

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stances (dehydro-adrenalin and dehydro-chromogens) are more often discovered than in healthy individuals, and the coefficient of specificity increases, 3) an asymmetry of the content of adrenalin-like substances manifest itself; the level of the total adrenalin is increased at the side where the focus of pain lies (the "pain side"), 4) the improvement of the clinical state of patients suffering from pain syndrome is accompanied by a decrease of total adrenalin in the blood. According to Kennon (reference 7) the increased secretion of adrenalin in the case of acute experimental pain is supposed to have a compensatory and protective significance against painful injuries. According to the authors' investigations the relative quantity of reduced adrenalin in the complex of adrenalin-like substances increases in the case of pathological pain; At the same time the chromogens increase; noradrenalin apparently also belongs to them. The above-mentioned conclusions are further interpreted. At the same time (reference 6) earlier papers by the authors showed that the amount of parasympathico-mimetic substances (especially of acetylcholine) in the blood increases in pain syndromes. In treatments of pain syndromes connected with an increase of adrenalin-like substances in the blood (headache of

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vascular origin, sympathalgies, spastic vascular contractions and so on) to dispense sympatholytical substances (ergotamin, aminecine and others). There are 8 references, 6 of which are Slavic.

ASSOCIATION: Group of N.I. Grashchenkov, Corresponding Member of the AS USSR at the Department of Biological Sciences AN USSR (Gruppa chlena-korrespondenta AN SSSR N.I. Grashchenkova pri Otdelenii biologicheskikh nauk Akademii nauk "SSR)

PRESENTED: July 17, 1957, by A.I. Oparin, Academician

SUBMITTED: July 11, 1957

AVAILABLE: Library of Congress

Card 4/4

KASSIL', G.N., prof.; MATLINA, E.A.; SOKOLINSKAYA, R.A. (Moskva)

Adrenaline-like substances and biological activity of the blood in certain forms of diseases of the nervous system [with summary in English]. Probl.endok. i gorm. 5 no.1:70-79 Ja-V '59.

(MIRA 12:3)

1. Iz laboratorii klinicheskoy neyrofiziologii AN SSSR na baze kliniki nervnykh bolezney I Moskovskogo ordena Lenina meditsinskogo instituta (sav. - prof. N.I. Grashchenkov).

(SYMPATHOMINETICS, in blood,
in NE dis. (Rus))

(NERVOUS SYSTEM, diseases
blood sympathomineics & biol. activity (Rus))

NATLINA, N.A.

Cholinesterase reactivation in myasthenia. Ukr.biokhim.zhnr.
31 no.1:99-107 '59. (MIRA 12:6)

**1. Group of N.I.Grashchenkov, Cor.Member Acad.Sc. U.S.S.R., of
the Division of Biological Sciences of the Academy of Sciences
of the U.S.S.R.**

(CHOLINESTERASE) (PROSTIGMINE) (MUSCLES--DISEASES)

KASSIL', G.N.; MATLINA, E.A.; SOKOLINSKAYA, R.A.

Dynamic studies on adrenalielike substances and on the biological activity of the blood in certain forms of diencephalic pathology. Biul.eksp.biol.i med. 48 no.12:31-36 D '59. (MIRA 13:5)

1. Grappa chlena-korrespondenta AN SSSR N.I. Grashchenkova pri Otdelenii biologicheskikh nauk AN SSSR na baze kliniki nervnykh bolezney I Moskovskogo meditsinskogo instituta. Predstavlena deystvitel'nym chlenom AMN SSSR N.I. Grashchenkovym.
(SYMPATHOMIMETICS physiol.)
(DIENTEPHALON physiol.)

17(4), 17(12)

SOV/20-126-2-61/64

AUTHORS: Kassil', G. N., Matlina, E. A., Sokolinskaya, R. A.

TITLE: Adrenaline-like Substances and the Biological Activity of Blood in the Case of Cold Essay Under Normal Conditions and Those of Diencephalic Pathology (Adrenalinopodobnyye veshchestva i biologicheskaya aktivnost' krovi pri kholodovoy probe v usloviyakh normy i dientsefal'noy patologii)

PERIODICAL: Doklady Akademii nauk SSSR, 1959, Vol 126, Nr 2, pp 446-449 (USSR)

ABSTRACT: The state of the vegetative nervous system is to a certain extent characterized by the different forms of the adrenaline-like substances. On the other hand it is impossible to gain by only one determination of the chemical composition and the biological properties of blood a conception concerning the "homeostase" boundaries or the structure of the pathological syndrome as the latter is always a combined expression of pathological processes and compensation phenomena. The main principle of the collective group of the authors is a dynamical investigation of the human organism: of a healthy, a sick, and a recovering one. The authors did not restrict themselves to the determination of a physiological or biochemical final

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constant but tried to find the adaptation mechanisms of the organism and to separate the primary from the secondary reactions which are so important for the origin, course, and result of a disease. The authors used the method of the adrenaline-like substances and of the biological blood activity before and after the stress in order to characterize the reactivity of the nervous system. In the present paper the results are given which were obtained by cooling down the experimental person's hand. Healthy persons (control) and such affected with different forms of diencephalic pathology (Refs 5, 6) served for this purpose. With practically healthy persons the cold essay lead to an increase in the sympathetic blood activity. It was expressed by an increase of the positive inotropic effect on an isolated frog heart (an average of 40-50%). The acetyl-choline level in blood was reduced by an average of 40%. In most cases the content of reversibly reduced adrenaline-like substances and more rarely of the specificity coefficient (SpC) increased. Thus the primary reaction of healthy persons is in the case of a cold stress the activation of the sympathetic adrenal apparatus. The

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sick persons can be divided into 4 groups according to the results: Ist g r o u p . The reaction does not differ considerably from the normal reaction. Often there occur, however, considerable shifts which surpass the physiological fluctuations of the content of the investigated substances. Mainly persons with functional disturbances of the activity of the regulatory hypothalamus nerves were concerned. The disease is curable in spite of the patients' complaints and shows a favorable course. IIInd g r o u p . The sympathetic activity (accumulation of "sympathines") increases here, the adrenaline-like substances increase, sometimes also the SpC in the case of a simultaneous increase in acetyl-chinoline. IIIrd. g r o u p . The sympathetic blood activity and the acetyl-chinoline decrease are reduced. An additional heat essay is recommended (Ref 4). IVth g r o u p . The sympathetic blood activity is reduced. Reduction of the adrenaline-like substances, sometimes reduction of SpC. Acetyl-chinoline increases (Fig 2). This occurs in severe diencephalic pathology and is scarcely curable. The increase in the sympathetic blood activity can depend on the accumulation of the adrenaline-

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like substances, on the transition of the oxidized forms to reduced ones, but also on the reduction of the "parasympathine" level. The increase in "parasympathine" level is often connected with the reduction of the sympathetic activity. There are 1 figure and 7 Soviet references.

ASSOCIATION: Gruppa chl.-korr. AN SSSR N. I. Grashchenkova pri Otdelenii biologicheskikh nauk Akademii nauk SSSR
(Group of the Corresponding Member AS USSR N. I. Grashchenkov at the Department of Biological Sciences of the Academy of Sciences USSR)

PRESENTED: December 4, 1958, by L. S. Shtern, Academician

SUBMITTED: November 29, 1958

Card 4/4

ZEFIROVA, G.S.; MATLINA, E.A. (Moskva)

Amount of adrenaline-like substances in the blood in Addison's disease. Pat. fiziol. i eksp. terap. 4 no.3:65-69 My-Je '60.
(MIRA 13:7)

1. Iz kafedry endokrinologii (zav. - zasluzhennyy deyatel' nauki prof. N.A. Shereshevskiy) Tsentral'noy instituta usovershenstvovaniya vrachey i fiziologicheskoy laboratorii (zav. - chlen-korrespondent AN SSSR N.I. Grashchenkov) pri otdelenii biologicheskikh nauk Akademii nauk SSSR.

(ADDISON'S DISEASE)

(ADRENALINE)

MATLINA, E.A.; SHAGAL, D.I. (Moskva)

Effect of ACTH on adrenaline and noradrenaline excretion in
the urine in myopathy. Probl. endok. i gorm. 9 no.5:66-70
S-O '63 (MIRA 16:12)

1. Iz laboratorii neyro-gumoral'noy regul'yatsii (zav. - chlen-
korrespondent AN SSSR N.I.Grasichenkov, rukovoditel' problemy
prof. G.N.Kassil') Instituta vysshey nervnoy deyatel'nosti i
neyrofiziologii AN SSSR.

MATLYNA, E. Sh.

1 Properties of deaminase isolated from myosin. M. N. Lyubimova and E. Sh. Matlyna. *Doklady Akad. Nauk S.S.S.R.* 94, 927-928 (1964); *C.A.B.* 46, 11268a. The deaminase isolated from myosin (cf. *C.A.B.* 46, 11268a) shows the following properties. The enzyme is less stable in storage than myosin (10-12 days at 3°); it loses 50% of its activity in 4 hrs. at 37°, but is unaffected under these conditions in the presence of the substrate. The optimum pH for its activity is 6.2. The enzyme contains SH groups being inactivated by AgNO₃ and p-chloromercuribenzoate. It appears to need a low mol. wt. activator, as shown by change in activity after dialysis in the absence of myosin. The activity is restored by addn. of boiled centrifuged myosin soln. The activator appears to be org., since the soaked material of myosin has an even depressant action. Adenosediphosphate and adenosinetriphosphate show very strong activating effect on the enzyme. The activating agent is not specific for it can be obtained from different sources. Spectral analysis of dialyzates of the enzyme specimens shows that a substance with absorption max. about 280 mμ passes into the external medium and the max. of the deaminase shifts progressively from 265 to 273 mμ. For pptn. of myosin the use of 0.01M glycine soln. instead of pure H₂O is advised.

G. M. Kozlov

PEREL'MAN, L.B., MATLINA, E. Sh.

Effect on phosphocreatine synthesis of serum taken from myasthenic patients. [with summary in English]. Biul.eksp.biol. i med. 44 no.11:65-68 N'57 (MIRA 11:11)

1. Iz nauchnoy gruppy individual'nykh rabot, rukovodimoy chlenom-korrespondentom AN SSSR N.I. Grashchenkovym. Predstavlena deystvitel'nyy chlenom AMN SSSR N.I. Grashchenkovym.

(MYASTHENIA GRAVIS, blood in,
eff. on phosphocreatine synthesis (Rus))

(COENZYMES,
phosphocreatine synthesis, eff. of blood from myasthenic patients (Rus))

PEREL'MAN, L.B.; MATLINA, E.Sh.

Adrenergic substances in myasthenia. Biul. eksp. biol. i med. 46 no.11:
46-50 N '58. (1958 12:1)

1. Gruppya individual'nykh rabot deystvitel'nogo chlena ANU SSSR N.I.
Grashchenkova. Predstavlena deystvitel'nym chlenom ANU SSSR N.I. Grashchen-
kovym.

(SYMPATHOMIMETICS, physiol.
in myasthenia (Rus))

(MYASTHENIA GRAVIS, physiol.
sympathomimetics (Rus))

MATLINA, E.Sh., Cand Biol Sci -- (diss) "Certain biochemical indices of impairment of functions in myasthenia." Mos, 1959. 12 pp
Acad Med Sci USSR. Inst of Biol and Med Chemistry). 150 copies
(HL 38-59, 115)

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MATLINA, F. SH., SOKOLINSKAYA, R. A., UGOLEVA, S. V., SHREYBER, G. L.,
KASHEL, G. N., and VAYSFELD, I. L. (USSR)

"Biochemical Mechanism of Physiological and Pathological Reactions
of an Organism of the Introduction of Certain Hormone Preparations."

Report presented at the 5th International Biochemistry Congress,
Moscow, 10-16 Aug 1961

MATLINA, E.Sh. (Moskva)

Fluorometric method for determining the adrenaline and noradrenaline in human urine (modification of the Eiler and Lishako method). Probl.endok.i gorm. 7 no.3:55-60 '61. (MIRA 14:9)

1. Iz laboratorii neyro-gumoral'noy regulyatsii (i. o. zav. - prof. G.N. Kassil') Instituta vysshey nervnoy deyatel'nosti AN SSSR.

(ADRENALINE)

(ARTERENOL)

MATLINA, E.Sh.; PRIKHOZHAN, V.M.

Method for determining cholinesterase in the blood. Lab. delo 7
no.6:10-12 Je '61. (MIRA 14:7)

1. Laboratoriya neyro-gumoral'noy regulyatsii Instituta vysshey
nervnoy deyatel'nosti AN SSSR i klinika nervnykh bolezney I Moskov-
skogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova.
(CHOLESTERASE)

PEREL'MAN, L.B.; PRIKHOZHAN, V.M.; MATLINA, E.Sh.

Mechanism of the action of some anticholinesterase preparations. Biul. eksp. biol. i med. 53 no.5:76-80 My '62.

(MIRA 15:7)

1. Iz laboratorii neyro-gumoral'noy regulyatsii (sav. - chlen-korrespondent AN SSSR N.I. Grashchenkov) Instituta vysshey nervnoy deyatel'nosti AN SSSR i iz Kliniki nervnykh bolezney (sav. - prof. V.V. Mikheyev) i Moskovskogo meditsinskogo instituta, Moskva. Predstavlena deystvitel'nyy chlenom AMN SSSR S.Ye. Severinym.

(CHOLINESTERASES) (MYASTHENIA GRAVIS)

GRASHCHENKOV, N.A.; KASSIL', G.L.; VAY: FEL'D, I.L.; VEYN, I.M.; MAT: IN, I.L.;
RAIT, M.L.; UKH: IN: KAY, E.A.; SHREYBERG, G.L.

Analysis of neural, humoral and hormonal changes in some forms
of vigilance disorders. Vest. AMN SSSR 19 no.6:54-62 '62.
(MIRA 18.4)
1. laboratoriya nervnykh i yemeral'nykh regulyatsiy AN SSSR.

MATLINA, E.Sh. (Moskva); MEN'SHIKOV, V.V. (Moskva)

Modern theories on the synthesis and transformation of catechol
amines in the organism. Usp. sovr. biol. 58 no. 3:321-345 Nov '64.
(MIRA 18:1)

KASSIL', G.N.; MATLINA, E.Sh.

Excretion of catechol amines (adrenaline, ~~nō~~radrenaline, ~~dopamine~~
and dopa) with human urine. Dokl. AN SSSR 156 no. 5:1236-1238
Je '64. (MIRA 17:6)

1. Predstavleno akademikom V.N.Chernigovskim.

KASSIL', G.N.; GRASHCHENKOV, N.I.; MATLINA, E.Sh.; BOYFVA, V.I.

Sympatheticoadrenal system in an acute craniocerebral trauma.
Dokl. AN SSSR 158 no.6:1455-1458 O '64.

1. Laboratoriya po izucheniyu nervnykh i gumanal'nykh regulatsii.
AN SSSR. 2. Chlen-korrespondent AN SSSR (for Grashchenkov).

MATLINA, E.Sh.; MEN'SHIKOV, V.V.

Effect of catechol amines on metabolism, a survey of the literature. Probl. endok. i gorm. 11 no.4:113-121 31-Aug 55.
(MIRA 18-11)

1. Laboratoriya nervnykh i gumoral'nykh regulyatsiy (dir.- chlen-korrespondent AMN SSSR prof. N.I. Grashchenkov AN SSSR i Mezhklinicheskaya gormonal'naya laboratoriya pri gosital'noy terapevticheskoy klinike (dir.- deystvitel'nyy chlen AMN SSSR prof. A.L. Myasnikov) i Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

MEN'SHIKOV, V.V.; MATLINA, E.SP.

Effect of pharmacological substances on catechol amine metabolism;
a review of literature. Farm. i toks. 29 no.3:372-380 My-Je '66.

(MIRA 18:8)

1. Mezheklinicheskaya gormon i'naya laboratoriya (zav. - kand.med.
nauk V.V.Men'shikov) pri Gospital'noy terapevticheskoy klinike i
Moskovskogo ordena Lenina meditsinskogo instituta imeni I.N.
Semenova i laboratoriya nervnykh i gumoral'nykh regulyatsiy (direktor -
deystvitel'nyy chlen AMN SSSR prof. N.I.Greshchenkov) AN SSSR, Moskva.

MATLINA, S.Sh.

Modification of Shaw's method for determining adrenalinalike substances in a small quantity of blood. Lab.delo 8 no.5:26-30
Mg '62. (MIRA 15:12)

1. Laboratoriya neyro-gumoral'noy regulyatsii Instituta vysshey
nervnoy deyatel'nosti AN SSSR, Moskva.
(ADRENALINE) (BLOOD—ANALYSIS AND CHEMISTRY)

MATLINA, Ye.S.; VISHNYAK, Yu.I.

Procedure for determining methoxyl groups in formaldehyde polymers.
Plast. massy no.2:58-59 '65. (MIRA 18:7)

KRYUCHKOV, V.S.; MATLIS, L.Ye.

Epidemiological characteristics of the distribution of lamblia
in preschool children's institutions. Med. paraz. i paraz. bol.
33 no.6:726-731 N-D '64. (MIRA 18:6)

1. Kafedra epidemiologii Odesskogo meditsinskogo instituta imeni
Pirogova.

MATLIS, L. Ye.

"Data on the Epidemiology of Certain Acute Forms of Tuberculosis in Children (Tubercular Meningitis, Military Tuberculosis)." Cand Med Sci, Odessa State Medical Inst, Odessa, 1954. (ZhNiol, No 6, Mar 55)

SC: Sum. No. 670, 22 Sep 55--Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (15)

TSESARSKAYA, S.I., doktor med.nauk; EMANUEL', M.I.; MATLIS, L.Ye., kand.
med.nauk; VAYNSHTOK, V.Z.

Dynamics of the isolation of bacilli in tuberculosis patients
depending on the methods of treatment. Probl. tub. 41 no.10:
37-42 '63. (MIRA 17:9)

1. Iz Odesskogo nauchno-issledovatel'skogo instituta tuberkuleza
(dir. M.A.Brusnikin) i Odesskogo meditsinskogo instituta.

MATLIS, S. Ya.

V. I. YEREMO, V. A.; KARACHAN, V. I., lecturer; MATLIS, S. Ya., agronom.

growing and processing crabs in Moldavia. Masl.-zhir. prom. 1952. 11:7-8 N 152. (MIRA 1952)

1. Moldavskaya gosudarstvennaya selektsionnaya stantsiya (for Iordaienko). 2. Ge 'tse'lye maslozavod No.1 (for Karachan and Matlis). (Moldavia--Crabbe)

TOKARZ, Feliks; MATLOSZ, Zenon

Two cases of epidermoid cyst of the cerebellopontile angle.
Neurol., neurochir., psychiat. Pol. 14 no.3:545-547 My-Je '64

1. Z Kliniki Neurochirurgii Akademii Medycznej w Poznaniu
(Kierownik: doc. dr. med. H. Powiertowski).

MATLOSZ, Zenon; POWIERTOWSKI, Hieronim, doc. dr. med.

Familial incidence of craniosynostosis. Pol. tyg. lek. 20 no.4:
123-126 25 Ja '65

1. Z Kliniki Neurochirurgii Akademii Medycznej w Poznaniu (Kierownik: doc. dr. med. Hieronim Powiertowski).

3

CZECHOSLOVAKIA

CERVENANSKY, J., Prof., MD; KALMAN, E; MAAR, D; MATLOVIC, E.

Orthopedic Clinic LFUK (Ortopedicka klinika LFUK), Bratislava (for all)

Bratislava, Lekarsky obzor, No 5, 1963, pp 295-299

"Spondylotomy in Specific Spondylitis."

SVOLIK, A.; MATKOVIC, E.

Difficulties in the treatment of fractures of the carpal-
bone of the hand. Acta chir. orthop. traum. Cech. 31 no.4
325-327 Ag '64.

1. Ortopedická klinika Lékařské fakulty Univerzity Komenského
v Bratislavě (prednášá prof. dr. J. Červenánský).